

CLAIMS

1. A fuel supply device for supplying fuel to a mobile electronic device.
comprising:
a fuel reservoir;
a fuel interface for connection with the mobile electronic device; and
a transfer mechanism for transferring fuel from the reservoir to the interface and
into the connected mobile electronic device.
2. A fuel supply device according to claim 1, wherein the fuel supply device
automatically transfers fuel to the mobile electronic device when the fuel interface
connects with a corresponding fuel interface of the mobile electronic device.
3. A fuel supply device as claimed in claim 1, wherein the fuel reservoir is user-
refillable.
4. A fuel supply device as claimed in claim 1, wherein the fuel reservoir is a user
replaceable container.
5. A fuel supply device as claimed in claim 1, wherein the fuel is a liquid
containing hydrogen.
6. A fuel supply device as claimed in claim 1, wherein the fuel interface is
arranged for data transfer between the fuel supply device and the mobile
electronic device.
7. A fuel supply device as claimed in claim 1, arranged for use with multiple
different mobile electronic devices, wherein an identifier is transferred between a
mobile electronic device to which fuel is supplied and the fuel supply device.

8. A fuel supply device as claimed in claim 7, wherein the identifier identifies the mobile electronic device to which fuel is supplied.

9. A fuel supply device as claimed in claim 7, wherein the identifier identifies the type of fuel for supply to the mobile electronic device.

10. A fuel supply device as claimed in claim 7, further comprising metering means for controlling the amount of fuel dispensed.

11. A fuel supply device as claimed in claim 1, embodied in a supporting stand for the mobile electronic device. wherein the supporting stand comprises a cradle for receiving the mobile electronic device.

12. A fuel supply device as claimed in claim 11 further comprising a detector for detecting when the cradle receives a mobile electronic device; and a controller, responsive to the detector, for enabling transfer of fuel from the fuel reservoir to the mobile electronic device.

13. A mobile electronic device comprising:
a fuel cell having a refillable fuel store;
a fuel interface for connection with a fuel supply device according to claim 1; and
a transfer mechanism for transferring fuel from the fuel interface and into the fuel store.

14. A mobile electronic device according to claim 13, wherein the refillable fuel store is non-removable.

15. A mobile electronic device according to claim 13, wherein the fuel interface is arranged for data transfer with a connected fuel supply device.

16. A mobile electronic device according to claim 13, arranged to transfer an identifier to the fuel supply device.

17. A mobile electronic device according to claim 16, wherein the identifier identifies the electronic device.

18. A mobile electronic device according to claim 16, wherein the identifier identifies the fuel type to be supplied to the mobile electronic device.

19. A mobile electronic device as claimed in claim 13, comprised in a cellular mobile telephone.

20. A refueling system for an electronic device, comprising
a fuel reservoir in a fuel supply device;
a fuel cell having a refillable fuel store in a mobile electronic device;
a first fuel interface to the fuel supply device for releasable connection with a
second fuel interface to the mobile electronic device; and
a transfer mechanism for transferring fuel from the fuel reservoir across the first
and second fuel interfaces, when connected, into the refillable fuel store.

21. A method of refueling an electronic device, comprising the steps of:
connecting the electronic device to a fuel supply device; and
automatically transferring fuel from a fuel reservoir in the fuel supply device to a
refillable fuel store of a fuel cell in the mobile electronic device.